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CENTRAL INTELLIGENCE AGENCY

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HA-ERH-PIN (HARBIN) AIRCRAFT
ENGINE AND AIRFRAME PLANTS
PING-FANG-TIEN, CHINA

S-8858



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HA-ERH-PIN (HARBIN) AIRCRAFT ENGINE AND AIRFRAME PLANTS
PING-FANG-TIEN, CHINA

Ha-erh-pin (Harbin) Aircraft Engine and Airframe Plants (45-36N 126-34E; [REDACTED]) are located in the Heilung-chiang Sheng (Heilung-kiang Province), 10

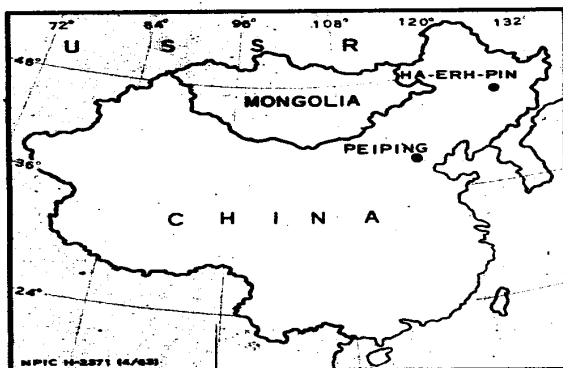


FIGURE 1. LOCATION OF HA-ERH-PIN (HARBIN) AIRCRAFT ENGINE AND AIRFRAME PLANTS.

nautical miles (nm) south of the center of Ha-erh-pin, adjacent to the Harbin Southeast Airfield. The two plants occupy an area of approximately 189 acres and both are rail served by spurs off the main line from Ha-erh-pin to Wu-chang.

The aircraft engine plant has a total floor space of 1,155,925 square feet. The airframe plant has a total floor space of 1,096,475 square feet.

At the date of photography, [REDACTED] the absence of smoke, steam, rail cars, packing crates, aircraft and roof discoloration indicated the level of activity as being low or at a standstill. There were only five aircraft on the adjacent airfield, one BEAGLE, one COLT, one single-engine piston-type aircraft, and 3 HOUND.

The major components of the two plants are identified and described on the accompanying annotated photograph (Figure 2).

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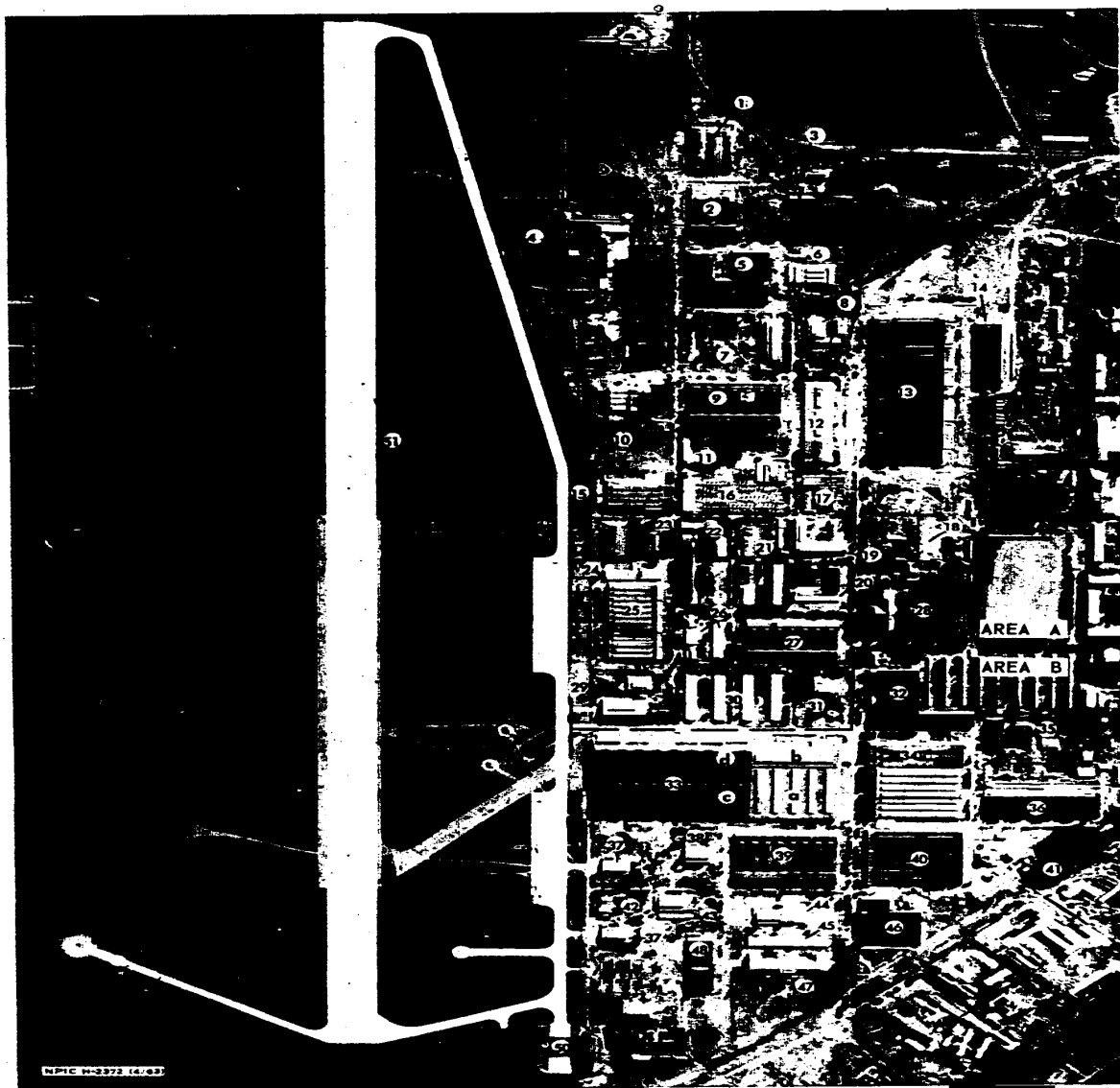


FIGURE 2. HA-ERH-PIN AIRCRAFT ENGINE PLANT (AREA A) AND AIRFRAME PLANT (AREA B),

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ANNOTATIONS FOR AIRCRAFT ENGINE PLANT (AREA A)

1. Shop building under construction, 220 by 155 feet, flat-roofed with longitudinal monitors. Floor space 34,100 square feet.

2. Shop building, 240 by 170 feet, flat-roofed with three longitudinal monitors and bay sections 120 by 50 feet. Floor space 40,800 square feet.

3. Power/steam plant.

4. Unidentified L-shaped building. Total floor space 13,400 square feet.

5. U-shaped forge/foundry building, main section 310 by 120 feet, two wings 155 by 145 feet and 145 by 110 feet. Total floor space 75,625 square feet.

6. Foundry, 195 by 95 feet. Floor space 18,525 square feet.

7. Foundry-type building, 240 by 85 feet. Floor space 20,400 square feet.

8. Two unidentified buildings, 85 by 70 and 75 by 40 feet. Total floor space 8,950 square feet.

9. Aircraft engine assembly building, 360 by 240 feet, consisting of three sections: final assembly hall 360 by 60 feet, flat-roofed with longitudinal monitor; 7 subassembly bays 360 by 155 feet overall, flat-roofed with transverse monitors; and parts section 360 by 25 feet, flat-roofed. Total floor space 86,400 square feet.

10. Four L-type engine test cells, each 165 feet long with 25-by 25-foot exhaust stacks. Total floor space 19,550 square feet.

11. Substation.

12. Receiving and shipment building, 410 by 120 feet, flat-roofed with three longitudinal monitors in line. Floor space 49,200 square feet.

13. Aircraft engine subassembly building, 760 by 290 feet, consisting of three sections: assembly hall 760 by 75 feet, flat-roofed with four longitudinal monitors in line; 17 subassembly bays 760 by 190 feet overall, flat-roofed with

transverse monitors; parts and office section 760 by 25 feet, flat-roofed. Total floor space 220,400 square feet. Assembly hall is [REDACTED] high.

14. Warehouse, 325 by 105 feet, arch-roofed with longitudinal monitor. Floor space 34,125 square feet.

15. Repair shop, 220 by 120 feet, flat-roofed with three longitudinal monitors. Floor space 26,400 square feet.

16. Unidentified building under construction, 360 by 190 feet. Floor space 68,400 square feet. Storage building, 160 by 50 feet, and shop building, 125 by 85 feet, adjoin. Total floor space of the two 18,625 square feet.

17. Unidentified U-shaped building under construction, 170 by 35 feet, two wing sections each 145 by 50 feet. Total floor space 20,450 square feet.

18. Storage building, 215 by 35 feet, gable-roofed. Floor space 7,525 square feet.

19. U-shaped forge/foundry building, main sections 205 by 55 feet, gable-roofed with longitudinal monitor; two wings, one 120 by 45 feet, gable-roofed with longitudinal monitor, and the other 120 by 25 feet, gable-roofed. Total floor space 19,675 square feet.

20. Two unidentified buildings, one 130 by 45 feet, flat-roofed, and the other 180 by 20 feet, gable-roofed. Total floor space 9,450 square feet.

21. Six storage and small shop buildings, 175 by 25 feet, 205 by 45 feet, 135 by 35 feet, 205 by 60 feet, 100 by 40 feet, and 205 by 60 feet, all gable-roofed. Total floor space 47,375 square feet.

22. Boilerhouse and storage building, 340 by 70 feet, gable-roofed with longitudinal monitor. Floor space 23,800 square feet.

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23. Two shop buildings, 165 by 90 feet, gable-roofed, and 100 by 55 feet, gable-roofed, with longitudinal monitor. Total floor space 20,350 square feet.

24. Probable office building 240 by 40 feet, flat-roofed; 9,600 square feet.

25. Machine shop, 390 by 205 feet, flat-roofed with transverse monitors; 13 working bays are 270 by 30 feet overall; 79,950 square feet.

26. Boilerhouse and storage building, 175 by 55 feet; 9,625 square feet.

27. Aircraft engine or airframe subassembly building, 365 by 200 feet, consisting of three sections: assembly hall 365 by 50 feet, flat-roofed with longitudinal monitor; 8 subassembly

bays 365 by 125 feet overall, flat-roofed with transverse monitors; and parts/office section 365 by 25 feet, flat-roofed. Total floor space 73,000 square feet.

28. Administration building, three-story, 165 by 45 feet and 45 by 30 feet projection, gable-roofed. Total floor space 26,325 square feet.

29. Maintenance hangar and shop building, 200 by 100 feet and 100 by 60 feet, gable and flat roofs. Total floor space 26,000 square feet.

30. Four storage buildings, each 230 by 45 feet. Total floor space 41,400 square feet.

31. Probable forge, 100 by 65 feet. Floor space 6,500 square feet.

ANNOTATIONS FOR AIRFRAME PLANT (AREA B)

32. Shop building, probable heat-treatment and anodizing sections are located in this building. Main section 290 by 190 feet, flat-roofed with transverse monitors, and wing section 220 by 60 feet, flat-roofed with longitudinal monitor and numerous vents. Total floor space 68,300 square feet.

33. Airframe final assembly building, 970 by 380 feet, consisting of four main sections: (a) 5 assembly bays, 350 by 275 feet overall, with flat roof and transverse monitors; (b) assembly hall, 350 by 75 feet, flat-roofed with longitudinal monitor; (c) 9 assembly bays, 620 by 195 feet, flat-roofed with 8 transverse monitors; (d) final assembly hall, 620 by 155 and [REDACTED] high, flat-roofed with 10 transverse monitors. Total floor space 368,600 square feet.

34. Shop building, 390 by 380 feet, flat-roofed with ten monitors. Floor space 148,200 square feet.

35. Shop building, 160 by 70 feet, arch-roofed. Floor space 11,200 square feet.

36. Warehouse, 440 by 120 feet, flat-

roofed with longitudinal monitor and divided into three sections with fire walls. Floor space 52,800 square feet.

37. Two maintenance hangars, 135 by 80 feet, gable-roofed. Floor space 21,600 square feet.

38. Shop building, 110 by 80 feet, gable-roofed. Floor space 8,800 square feet.

39. Subassembly building, 420 by 260 feet, consisting of three sections: subassembly hall 420 by 65 feet, flat-roofed with longitudinal monitor; 8 subassembly bays 420 by 175 feet overall, flat-roofed with transverse monitors; parts and offices 420 by 20 feet, flat-roofed with vents. Total floor space 109,200 square feet. Subassembly bays are [REDACTED] high.

40. Machine shop, 390 by 270 feet, flat-roofed with 6 longitudinal monitors. Floor space 105,300 square feet.

41. Power/steam plant.

42. Flight operations building, 95 by 50 feet. Two-story with control tower, floor space 9,500 square feet.

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43. Shop and storage building, 135 by 80 and 135 by 25 feet. Total floor space 14,175 square feet.

44. Shop building, 200 by 120 feet, floor space 24,000 square feet.

45. Two-story personnel building, 330 by 40 feet, hip-roofed. Floor space 26,400 square feet.

46. Shop building, 235 by 210 and adjoining section 110 by 80 feet, flat-roofed with longitudinal monitors. Total floor space 58,150 square feet.

47. Three-story administration building, ③

210 by 35 feet center section, gable-roofed; two wing sections 80 by 45 feet, hip-roofed. Total floor space 32,850 square feet.

48. Shop building, 270 by 100 feet, flat-roofed with four transverse monitors and flat-roofed with high gable sections. Floor space 27,000 square feet.

49. Shop building, 130 by 80 feet, gable-roofed with longitudinal monitor. Floor space 10,400 square feet.

50. Aircraft test revetment.

51. Runway, 5,500 by 200 feet. ③

REFERENCES

PHOTOGRAPHY

25X1D

MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0283-18AL, 2d ed, Apr 60, scale 1:200,000 (SECRET No Foreign Dissem)

REQUIREMENT

CIA. ORR/E R-76/62

PROJECT NUMBER

C-627/62

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